

## PATENT COOPERATION TREATY

From Japanese Patent Office  
(INTERNATIONAL SEARCH AUTHORITY)

To: HAYASE, Kenichi  HAYASE & CO. 13F, NISSAY SHIN-OSAKA Bldg., 3-4-30, Miyahara, Yodogawa-ku, Osaka-shi, Osaka 532-0003 JAPAN	<p style="text-align: center;"><b>PCT</b></p> <p style="text-align: center;">WRITTEN OPINION OF THE ISA (PCT Rule 43bis)</p> <hr/> <p>Date of Mailing 29 March 2005</p>
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Applicant's or agent's file reference P36034-P0	See item 2 below for the subsequent procedure	
International application No. PCT/JP2004/018360	International filing date 09 December 2004	Priority date 10 December 2003
International Patent Classification (IPC) or national classification and IPC Int. Cl <sup>7</sup> H01S 5/02, F21V 8/00		
Applicant Matsushita Electric Industrial Co., Ltd.		

## 1. This opinion contains indications relating to the following items:

- I ☒ Basis of the opinion
- II ☐ Priority
- III ☐ Non-establishment of report with regard to novelty, inventive step or industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Rule 43,2.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

OMISSION(2 and 3)

Date of completion of this opinion

08 March 2005

Name and mailing address of the ISA/JP Japanese Patent Office	Authorized officer  Telephone No.
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WRITTEN OPINION OF THE ISA

International application No.  
PCT/JP2004/018360

I. Basis of the opinion

1. This opinion has been drawn on the basis of the language of international application, unless otherwise indicated below.

OMISSION(2, 3, and 4)

## WRITTEN OPINION OF THE ISA

International application No. PCT/JP2004/018360
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V Reasoned statement under Rule 43,2.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. STATEMENT

Novelty (N)	Claims 2-16	YES
	Claims 1, 17-18	NO
Inventive Step (IS)	Claims 4-5, 7-8	YES
	Claims 1-3, 6, 9-18	NO
Industrial Applicability (IA)	Claims 1-18	YES
	Claims NONE	NO

## 2. CITATIONS AND EXPLANATIONS

Reference 1: JP 2001-356404 A (Mitsubishi Electric Corporation)  
2001.12.26, full text, all figures

Reference 2: JP 2000-180962 A (Sony Corporation)  
2000.06.30, full text, all figures

Reference 3: JP 2003-57514 A (Fuji Photo Optical Co., Ltd.)  
2003.02.26, full text, all figures  
& US 2003/0031029 A1

Reference 1 discloses a construction of integrating light beams from plural semiconductor lasers using a rod integrator to obtain a uniform light intensity at an emission plane of the rod integrator.

Reference 2 discloses a construction of arranging a block close to an LED to obtain a uniform light intensity at an emission plane of the block, and further, discloses an LD as a light source.

Reference 3 discloses a rod integrator.

• Claims 1, 17-18: References 1-3

These Claims are disclosed in Reference 1.

• Claims 2-3, 6, 8-15: References 1-3

These Claims are in the category of design that can be made by those in the art according to need, in the construction of integrating light beams from plural semiconductor lasers using a rod integrator to obtain a uniform light intensity at an emission plane of the rod integrator.